

## PROFESSIONAL EXPERIENCE

### **Peju Winery**

Rutherford, CA

#### **Lab Technician II**

April 2023 – October 2023

- In addition to routine wine chemistry analysis, emphasis on investigating trends to identify quality concerns.
- Created an interactive Excel dashboard using Power Query and Vintrace database extracts to improve Vintrace integration at Peju, initializing the transition from manual work orders and the adoption of digital ones through the Vintrace platform.

### **Jackson Family Wines**

Windsor, CA

#### **Lab Analyst 2 – Microbiology/qPCR Specialist**

April 2019 – April 2023

- Responsible for operating wine-production microbiology-monitoring (QC) program which involved qPCR, Veriflow analysis, and microscopy characterization.
- Through process improvement and cost-optimization, reduced qPCR-specific operating costs by 10% and reduced the running time from 4 days to 2 by creating Excel Macros to automate data-processing.

### **Jackson Family Wines**

Windsor, CA

#### **Harvest Laboratory Internship**

August 2018 – March 2019

- Responsible for performing sampling, routine wine chemistry analyses, data analysis, and reporting during the harvest season.

### **University of California, Irvine – Dept. of Microbiology**

Irvine, CA

#### **Junior Specialist with Dr. Julia Massimelli-Sewell**

April 2018 – August 2018

- Limited-term position involving collaboration within an interdisciplinary team—communicating microbiological concepts to the university media team.
- Analyzed and interpreted student test data and applied results to developing online learning modules to improve undergraduate microbiology course outcomes, with an emphasis on vaccine- and antibiotics-related concepts.

## EDUCATION

### **Napa Valley College**

Napa, CA

Certificates in Mechanical and Architectural Drafting (In Progress)

September 2024 - Present

- Course work includes AutoCAD, Inventor, Fusion, Photoshop, Illustrator,

### **University of California, Irvine**

Irvine, CA

BS Biological Sciences

March 2018

## RECOGNITIONS

### **Mitch Davis, Executive VP Operations at Jackson Family Wines:**

*“Brigid surpassed expectations and added immense value to a production trial. She not only performed analysis at her usual high level of precision and assisted in planning the sampling methodology but also performed statistical analysis and presented the data in a way that action items could be created from the complex results.”* – August 2021